

RAW SEQUENCE LISTING

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Application Serial Number: 10/538,130A
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DATE: 10/30/2006

PATENT APPLICATION: US/10/538,130A

TIME: 12:12:48

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3 <110> APPLICANT: Tissot, Ghislaine
4      Dufourmantel, Nathalie
5      Garcon, Frederic
6      Ferullo, Jean-Marc
7      Pelissier, Bernard
9 <120> TITLE OF INVENTION: Fertile Transplastomic Leguminous Plants
11 <130> FILE REFERENCE: 05500-00148
13 <140> CURRENT APPLICATION NUMBER: US 10/538,130A
14 <141> CURRENT FILING DATE: 2005-06-06
16 <150> PRIOR APPLICATION NUMBER: PCT/EP03/015007
17 <151> PRIOR FILING DATE: 2003-12-08
19 <150> PRIOR APPLICATION NUMBER: FR 02/15490
20 <151> PRIOR FILING DATE: 2002-12-06
22 <160> NUMBER OF SEQ ID NOS: 41
24 <170> SOFTWARE: PatentIn version 3.3
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 1362
29 <212> TYPE: DNA
30 <213> ORGANISM: Glycine max
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37 aggactcttc tactgcattt ttattttactt tttttttatt tcttttcttc catcattcct      180
39 taactcccac aaggtttggc cctgtagaat ctgaccattt tcatcattga gcgaaaagta      240
41 cgaaaaaaat cagatcgatt ttctgaccac aagtactatg tgaaatcctc ggttttttcc      300
43 tctttctcta tccctatctc gtaggtagag cgtttgaatc aatagagAAC cctttcttct      360
45 gtatctgtat gaatcgatat tattacattc caaaattcct tcccgatacc tcctaaggaa      420
47 ccgaattgga tcccaaattg acgggttagt gtgagcttat ccatgcggtt atgcaccctt      480
49 cgaataggaa tccattttct gaaagatccc ggctttcgtg cgttggtggg tcttcgagat      540
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55 agtcctttct ttcgtgatga actgttggca cctgtcttac attttgtctc tgtggaccga      720
57 ggagaaaggg agctcagcgg caagaggatt gtaacatgag agaagcaagg aggtcaacct      780
59 ttttcaaata tacaacatgg gttctggcaa tgcaatgtgg ttggactctc atgtcgatct      840
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63 tacaattctt gtcttggtag ggcattgtatt ttattacta ttaaattgaa gtagttaatg      960
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67 tccatttttt cggggtctcg aaggggcgtg gaaacacata agaactcttg aattgaaatg      1080
69 gaaaaataga tgtaactcca gttacttcgg aaatggtaag atctttggcg caagaacgca      1140
71 agaggagggg ttgatccgta tcatcttgac ttggttctga tttctctatt ttttaataaa      1200
73 atcgagtcgg gttcttctcc taccogtatc gaatagaaca tgcttagcca aatcttcttc      1260
75 atggaaaacc tgctttattt agatcgggaa aatcatatgg ttttatgaa tcatgtgcta      1320
77 ttgctcgaat ccgtgggtcaa tcctatttcc gatagagcag tt      1362

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82 <212> TYPE: DNA
83 <213> ORGANISM: Glycine max
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88 aactccaaga agttgtttta gaatagtggc gttgagtttc ttgacccttt gccttaggat      120
90 tagtcagttc tatttctcga tggaggcaag ggatataact cagcggtaga gtgtcacctt      180
92 gacgtggttg aagttatcag ttcgagcctg attatcccta aacccaatgt aagtttttct      240
94 atttgtatgc cgtgatcgaa taataattga gaatggataa gaggctcgtg ggattacacg      300
96 aggggtgggg gggctatatt tctgggagcg aactccagtc gaatatgaag cgcctggata      360
98 caagttatgc cttggaatgg aagagaattc cgaatcagct ttgtctacga acaaggaagc      420
100 tataagtaat gcaactagga atctcatgga gagttcgatc ctggctcagg atgaacgctg      480
102 gcggcatgcc ttacacatgc aagtcggacg ggaagtgggtg tttccagtgg cggacgggtg      540
104 agtaacgcgt aagaacctac ccttgggagg ggaacaacag ctggaaacgg ctgctaatac      600
106 cccgtaggct gaggagcaaa aggaggaatc cgcccaggga ggggctcgcg tctgattagc      660
108 tagttggtga ggcaatagct taccaaggcg atgatcagta gctgggtccg gaggatgac      720
110 agccacactg ggactgagac acggcccaga ctctacggg aggcagcagt ggggaatttt      780
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114 tgaacttctt tccccggaga agaagcaatg acggtatccg gggaataagc atcggctaac      900
116 tctgtgccag cagccgcggt aagacagagg atgcaagcgt tatccggaat gattgggcgt      960
118 aaagcgtctg taggtggctt tttaagttcg ccgtcaaadc ccagggtca accctggaca     1020
120 ggcggtggaa actaccaagc tggagtacgg taggggcaga ggggaatttc ggtggagcgg     1080
122 tgaaatgcgt agagatcgga aagaacacca acggcgaaaag cactctgctg ggccgacact     1140
124 gacactgaga gacgaaagct aggggagcga atgggattag ataccccagt agtcctagcc     1200
128 gtaaacgatg gatactaggc gctgtgcgta tgcaccctg caatgctgta gctaacgcgt     1260
130 taagtatccc gcctggggag tacgttcgca agaatgaaac tcaaaggaat tgacgggggc     1320
132 ccgcacaagc ggtggagcat gtggtttaat tcatgcaaaa gcgaagaacc ttaccagggc     1380
134 ttgacatgcc gcgaatcctc ttgaaagaga ggggtgcctt cggaacgcg gacacagggtg     1440
136 gtgcattggt gtcgtcagct cgtgccgtaa ggtgttgggt taagtccgc aacgagcgca     1500
138 accctcgtgt ttagttgcca acatttagtt tggaaacctg agcagactgc cgtgataag     1560
140 ccggaggaag gtgaggatga cgtcaagtca tcatgccctt tatgccctgg gcgacacacg     1620
142 tgctacaatg gacgggacaa aggatcgcg tcccgcgagg gtgagctaac tccaaaaaac     1680
144 cgtcctcagt tcggattgta ggctgcaact cgcctgcatg aagccggaat cgctagtaat     1740
146 cgccggtcag ccatacggcg gtg                                     1763
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150 <211> LENGTH: 30
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic sequence OSSD3
157 <400> SEQUENCE: 3
158 ctaggagctc caccgccgta tggctgaccg                                     30
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162 <211> LENGTH: 63
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Synthetic sequence OSSD5

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169 <400> SEQUENCE: 4
170 gtcgaccatg gactagtcca ccgcggtggt ctagactcga ggacaatgga atccaatttt 60
172 tcc 63
175 <210> SEQ ID NO: 5
176 <211> LENGTH: 50
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Synthetic sequence OSSG3
183 <400> SEQUENCE: 5
184 ctctccatgg gttaacaagc ttaactgctc tatcggaat aggattgacc 50
187 <210> SEQ ID NO: 6
188 <211> LENGTH: 39
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Synthetic sequence OSSG5
195 <400> SEQUENCE: 6
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200 <211> LENGTH: 40
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Synthetic sequence OSSG310
207 <400> SEQUENCE: 7
208 gaacctcctt gcttctctca tggtacaatc ctcttgccgc 40
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212 <211> LENGTH: 43
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthetic sequence OAAX3
220 <400> SEQUENCE: 8
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224 <210> SEQ ID NO: 9
225 <211> LENGTH: 34
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Synthetic sequence OAAN5
232 <400> SEQUENCE: 9
233 gaagcttcca tggcagaagc ggtgatcgcc gaag 34
236 <210> SEQ ID NO: 10
237 <211> LENGTH: 1327
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Synthetic sequence AADA312

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249 ttagggagg gatccatggc agaagcgggtg atcgccgaag tatcaactca actatcagag 180
251 gtagttggcg tcatcgagcg ccatctcgaa ccgacgttgc tggccgtaca tttgtacggc 240
253 tccgcagtgg atggcggcct gaagccacac agtgatattg atttgctggt tacggtgacc 300
255 gtaaggcttg atgaaacaac gcggcgagct ttgatcaacg accttttgga aacttcggct 360
257 tcccctggag agagcgagat tctccgcgct gtagaagtca ccattgttgt gcacgacgac 420
259 atcattccgt ggcgttatcc agctaagcgc gaactgcaat ttggagaatg gcagcgcaat 480
261 gacattcttg caggtatctt cgagccagcc acgatcgaca ttgatctggc tatcttgctg 540
263 acaaaagcaa gagaacatag cgttgccttg gtaggtccag cggcggagga actctttgat 600
266 ccggttccgt aacaggatct atttgaggcg ctaaatgaaa ccttaacgct atggaactcg 660
268 ccgcccgaact gggctggcga tgagcgaat gtagtgctta cgttgcctcg catttggtac 720
270 agcgagtaaa ccggcaaaat cgcgcgaag gatgtcgctg ccgactgggc aatggagcgc 780
272 ctgcccggccc agtatcagcc cgtcatactt gaagctagac aggcttatct tggacaagaa 840
274 gaagatcgct tggcctcgcg cgcagatcag ttggaagaat ttgtccacta cgtgaaagcg 900
276 gagatcacca aggtagtcgg caaataatct agagatcctg gcctagtcta taggaggttt 960
278 tgaaaagaaa ggagcaataa tcattttctt gttctatcaa gagggtgcta ttgctccttt 1020
280 ctttttttct ttttatttat ttactagtat tttacttaca tagacttttt tgtttacatt 1080
282 atagaaaaag aaggagaggt tattttcttg catttattca tgattgagta ttctattttg 1140
284 attttgattt tgtttaaaat tgtagaaata gaacttgttt ctcttcttgc taatgttact 1200
286 atatcttttt gatttttttt ttccaaaaaa aaaatcaaat tttgacttct tcttatctct 1260
288 tatctttgaa tatctcttat ctttgaaata ataatatcat tgaaataaga aagaagagct 1320
290 atattcg 1327
293 <210> SEQ ID NO: 11
294 <211> LENGTH: 1330
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Synthetic sequence AADA166
301 <400> SEQUENCE: 11
302 gctccccgcg cgtcgttcaa tgagaatgga taagaggctc gtgggattga cgtgaggggg 60
304 cagggatggc tatatttctg ggagcgaact ccgggcgaat acgaagcgct tggatacagt 120
306 ttagggagg gatattatgga tcccgaagcg gtgatcgccg aagtatcaac tcaactatca 180
308 gaggtagttg gcgtcatcga gcgccatctc gaaccgacgt tgctggccgt acatttgtag 240
310 ggctccgcag tggatggcgg cctgaagcca cacagtgata ttgatttgct ggttacgggtg 300
312 accgtaaggc ttgatgaaac aacgcggcga gctttgatca acgacctttt ggaaacttcg 360
314 gcttcccctg gagagagcga gattctccgc gctgtagaag tcaccattgt tgtgcacgac 420
316 gacatcattc cgtggcgcta tccagctaag cgcgaactgc aatttggaga atggcagcgc 480
318 aatgacattc ttgcaggat ctccgagcca gccacgatcg acattgatct ggctatcttg 540
320 ctgacaaaag caagagaaca tagcgttgcc ttggtaggtc cagcggcgga ggaactcttt 600
322 gatccggttc ctgaacagga tctatttgag gcgctaaatg aaaccttaac gctatggaac 660
324 tcgcccggcg actgggctgg cgatgagcga aatgtagtgc ttacgttgtc ccgcatcttg 720
326 tacagcgag taaccggcaa aatcgcgccg aaggatgtcg ctgccgactg ggcaatggag 780
328 cgctgcccgg cccagtatca gcccgctata cttgaagcta gacaggctta tcttgacaa 840
330 gaagaagatc gcttggcctc gcgcgcagat cagttggaag aatttgtcca ctacgtgaaa 900
332 ggcgagatca ccaaggtagt cggcaataaa tctagcgatc ctggcctagt ctataggagg 960
334 ttttgaaaag aaaggagcaa taatcatttt cttgttctat caagaggggtg ctattgctcc 1020
336 tttctttttt tctttttatt tatttactag tattttactt acatagactt ttttgtttac 1080

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338 attatagaaa aagaaggaga gggtatttttc ttgcatttat tcatgattga gtatttctatt 1140
340 ttgattttgt atttgtttta aattgtagaa atagaacttg tttctcttct tgctaattgtt 1200
342 actatatctt tttgattttt tttttccaaa aaaaaaatca aattttgact tcttcttctc 1260
344 tcttatcttt gaatatctct tatctttgaa ataataatat cattgaaata agaaagaaga 1320
346 gctatattcg                                     1330

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353 <213> ORGANISM: Artificial sequence

355 <220> FEATURE:

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358 <400> SEQUENCE: 12

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363 gttatccttg gaaggaaaga caattccgaa tctagaaata attttgttta actttaagaa 180
365 ggagatatac ccattgggcaa gggcgaggaa ctgttctactg gcgtgggtccc aatcttaagc 240
367 tccatggaat ccctgacgtt acaacccatc gcgcgggtcg atggcgccat taatttacct 300
370 ggctccaaaa gtgtttcaaa ccgtgctttg ctcttgccgg ctttagcttg tggtaaaacc 360
372 gctctgacga atctgctgga tagcgtatgac gtccgccata tgctcaatgc cctgagcgcg 420
374 ttggggatca attacaccct ttctgccgat cgcacccgct gtgatatac gggtaatggc 480
376 ggcgcattac gtgcgccagg cgctctggaa ctgtttctcg gtaatgccgg aatcgcgatg 540
378 cgttcgtagg cggcagcgct atgtctgggg caaaatgaga tagtgtaac cggcgaaccg 600
380 cgtatgaaag agcgtccgat aggccatctg gtcgattcgc tgcgtcaggg cggggcgaat 660
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412 aataaagaag gataaggaga aagaactcaa gtaattatcc ttcgttctct taattgaatt 1620
414 gcaattaaac tcggcccaat cttttactaa aaggattgag ccgaatacaa caaagattct 1680
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418 tctagc                                     1746

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422 <211> LENGTH: 1694

423 <212> TYPE: DNA

424 <213> ORGANISM: Artificial sequence

426 <220> FEATURE:

427 <223> OTHER INFORMATION: Synthetic sequence AROA319

429 <400> SEQUENCE: 13

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